III. *Further Expetiments about Freezing. By Mr.* Deſmaſters. *Communicated by Dr.* Muſgrave.

IN the Account given *Numb.* 245. *p.* 384. concerning the Expanſion of Water by Freezing, the Water then made uſe of in theſe Tryals, was, a ſort of rough Pump-Water; which, according to what Tryals have been made with it, does, upon the effuſion of Oyl of Tartar *per deliquium*, immediately turn milky and turbid: and conſidering the Ice made of this Water was a ſort of very rarefied white Ice, I was thereby inclined to try whether River Water, which would readily mix with Oyl of Tartar without the leaſt precipitation, would upon freezing be expanded to the height of the Pump-Water, above-mentioned.

In order to which, I filled a Glaſs Tube, of almoſt an Inch Diameter, with River-Water to the height of Six Inches (as I had done in the former Tryal) and putting it to freeze in a Mixture of Snow and Salt, it gained but $\frac{1}{4}$ of an Inch after it was frozen, whereas the Pump-Water got $\frac{7}{8}$ of an Inch.

I obſerved that while the River-Water was freezing, Bubbles roſe from the bottom of the Tube much at the ſame rate as in the freezing of Pump-Water.

I likewiſe took boyled Pump-Water, and having filled a Tube with it to the height of Six Inches, and ſet it to freeze as before, it roſe hardly to $\frac{6}{8}$ of an Inch above the Mark; when as the ſame Water un-boyl'd roſe $\frac{7}{8}$.